PTO/SB/05 (08-03)

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## UTILITY PATENT APPLICATION **TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

67,097-040; EH11002	70
Michael J. Murphy	<u>0</u> ن
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	Michael J. Murphy  Convergent/Divergent Nozzle with

See MPEP	APPLICATION ELEMENT: chapter 600 concerning utility patent appli	_	ADDRESS TO:	Commission P.O. Box 145	tent Application er for Patents i0 A 22313-1450	n &
2. Applic See 3 Special (preferi presc - Cross - State - Refer or a c - Back - Brief - Brief - Detai - Claim		ssing)	b. Specifica	gram (Append Amino Acid Se cessary) or Readable Fo ation Sequence P-ROM or CD-l per nts verifying io	equence Subi orm (CRF) e Listing on: R (2 copies);	or ove copies
4. Drawii 5. Oath or Dec a. Ne b. Co (for	act of the Disclosure  ag(s) (35 U.S.C. 113) [Total Sheet daration [Total Sheet My executed (original or copy)  by from a prior application (37 CFR or continuation/divisional with Box 18 or Continuation (18 or Continuation)  DELETION OF INVENTOR(S) Signed statement attached deleting inventament in the prior application, see 37 CFR 1.7  AULING APPLICATION, check approximation of the continuation of the continuati	ts 4 ]  1.63(d))  completed)  tor(s)  6	10. 37 CFR 3.73 (when there English Tran Information It Statement (II Statement (II Preliminary A Return Rece (Should be s Certified Cop (if foreign pri Nonpublication (b)(2)(B)(i). A or its equival 17. Other: Certically the requisite information (II) (II) (III) (IIII) (III) (III)	DS)/PTO-1449 Amendment ipt Postcard (I pecifically iten by of Priority D ority is claimed on Request ur Applicant must ent. ficate.of.Ex	MPEP 503) nized) ocument(s) other 35 U.S.C attach form	ower of ttorney able) opies of IDS itations  C. 122 PTO/SB/35
Continuation  Divisional  Continuation-in-part (CIP)  of prior application No.:  Prior application information:  Examiner  Art Unit:  For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.  The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.						
	1	9. CORRESPONE	DENCE ADDRESS			
Custon	ner Number:	026096	OR	Correspo	ondence add	ress below
Name	David L. Wisz					
Address	Carlson Gaskey & Olds, P.C				-	
	400 West Maple Road, Suite	350				
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Country	United States of America	Te	lephone 248-988-836	30	Fax	248-988-8363
Name (Print/Ty	pe) David L. Wisz	Tet 1	Registration No. (Attorne	ey/Agent) 46	3,350	
Signature		2				uary 28, 2004
This collection of	information is required by 37 CFR 1.53	(b) The importation in	ensured to obtain as entain	- hanafi bu iba		

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (10-03)

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Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

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(\$)	-81	0	.OO

Complete if Known				
Application Number	Herewith			
Filing Date	Herewith			
First Named Inventor	Michael J. Murphy			
Examiner Name				
Art Unit				
Attorney Docket No.	67,097-040;EH-11002			

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)			
Check Credit card Money Other None	3. ADDITIONAL FEES			
Deposit Account:	Large Entity   Small Entity			
Denosit	Fee Fee Fee Fee Description  Code (\$) Fee Fee Fee Fee Fee Fee Fee Fee Fee Fe	ee Paid		
Account Number	1051 130 2051 65 Surcharge - late filing fee or oath	ee raiu		
Deposit Account Carlson, Gaskey & Olds	1052 50 2052 25 Surcharge - late provisional filing fee or cover sheet			
Name	1053 130 1053 130 Non-English specification			
The Director is authorized to: (check all that apply)  Charge fee(s) indicated below  Credit any overpayments	1812 2,520 1812 2,520 For filing a request for ex parte reexamination			
Charge any additional fee(s) or any underpayment of fee(s)	1804 920* 1804 920* Requesting publication of SIR prior to Examiner action			
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	1805 1,840* 1805 1,840* Requesting publication of SIR after Examiner action			
FEE CALCULATION	1251 110 2251 55 Extension for reply within first month			
1. BASIC FILING FEE	1252 420 2252 210 Extension for reply within second month			
Large Entity Small Entity	1253 950 2253 475 Extension for reply within third month			
Fee Fee Fee Fee Description Fee Paid Code (\$) Code (\$)	1254 1,480 2254 740 Extension for reply within fourth month			
1001 770 2001 385 Utility filing fee	1255 2,010 2255 1,005 Extension for reply within fifth month			
1002 340 2002 170 Design filing fee 770.00	1401 330 2401 165 Notice of Appeal			
1003 530 2003 265 Plant filing fee	1402 330 2402 165 Filing a brief in support of an appeal			
1004 770 2004 385 Reissue filing fee	1403 290 2403 145 Request for oral hearing			
1005 160 2005 80 Provisional filing fee	1451 1,510 1451 1,510 Petition to institute a public use proceeding			
SUBTOTAL (1) (\$) 770.00	1452 110 2452 55 Petition to revive - unavoidable			
	1453 1,330 2453 665 Petition to revive - unintentional			
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE Fee from	1501 1,330 2501 665 Utility issue fee (or reissue)			
Total Claims 19 20** = X = 0.00	1502 480 2502 240 Design issue fee			
Independent	1503 640 2503 320 Plant issue fee			
Claims   3 - 3** =   X   = 0.00   Multiple Dependent	1460 130 1460 130 Petitions to the Commissioner			
	1807 50 1807 50 Processing fee under 37 CFR 1.17(q)			
Large Entity   Small Entity   Fee Fee Fee Fee Fee Fee Fee Fee Fee F	1806 180 1806 180 Submission of Information Disclosure Stmt			
Code (\$) Code (\$)	8021 40 8021 40 Recording each patent assignment per property (times number of properties)	40.00		
1202 18 2202 9 Claims in excess of 20 1201 86 2201 43 Independent claims in excess of 3	1809 770 2809 385 Filing a submission after final rejection (37 CFR 1.129(a))			
1203 290 2203 145 Multiple dependent claim, if not paid	1810 770 2810 385 For each additional invention to be			
1204 86 2204 43 ** Reissue independent claims over original patent	examined (37 CFR 1.129(b))  1801 770 2801 385 Request for Continued Examination (RCE)			
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802 900 1802 900 Request for expedited examination of a design application			
SUBTOTAL (2) (\$) 0.00	Other fee (specify)			
**or number previously paid, if greater; For Reissues, see above	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40.00			

SUBMITTED BY				(Complete	(Complete (if applicable))		
Name (Print/Type)	David L. Wisz	1 pt	Registration No. (Attorney/Agent) 46,350	Telephone	248 988 8360		
Signature				Date	January 28, 2004		

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## UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Michael J. Murphy, et al.

Serial No.:

Unknown

Filed:

Herewith

Title:

CONVERGENT/DIVERGENT NOZZLE WITH

MODULATED COOLING

**EXPRESS MAIL CERTIFICATE** 

"Express Mail" Label Number: EV220475876US

Date of Deposit:

January 28, 2004

I hereby certify that the attached documents or fees are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and are addressed to "Mail Stop Patent Applications, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Beth A. Beard

(Typed or printed name of person mailing paper or fee)